

FORM PTO-1595
1-31-92U.S. DEPARTMENT OF COMMERCE
Patent and Trademark OfficeRECORDATION FORM COVER SHEET
PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

WILLIAM W. MAYFIELD
DONALD C.D. CHANG
JOHN I. NOVAK III

Additional Name(s) of conveying party(ies) attached?

yes no

2. Name and address of receiving party(ies):

Name: HUGHES ELECTRONICS CORPORATION

Internal Address: Bldg. 001, M/S A109
P.O. Box 956
200 N. Sepulveda Blvd.
El Segundo, CA 90245-0956

3. Nature of Conveyance:

07/18/98
07/18/98
07/18/98

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: 6/10/98; 6/11/98; 6/16/98

Street Address: Bldg. 001, M.S. A109

200 N. Sepulveda Blvd.
El Segundo, California 90245Additional name(s) & address(es) attached? yes no

4. Application number(s) or patent number(s):

09/105622

If this document is being filed together with a new application, the execution date of the application is: 6/10/98; 6/11/98; 6/16/98.

A. Patent Application No.(s):

B. Patent No.(s):

Additional numbers attached? yes no

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Patent Records Administration
Address: Hughes Electronics Corporation
Bldg. 001, M/S A109
P.O. Box 956
200 N. Sepulveda Blvd.
El Segundo, CA 90245-0956

6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41): \$40.00

Enclosed
 Authorized to be charged to deposit account

8. Deposit account number:

50-0383 ✓

(Attached duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

TERJE GUDMESTAD
Registration No. 32,232

Signature

Date

4/26/98

Total number of pages comprising cover sh t: [1]

OMB No. 0651-0011 (exp. 4/94)

07/09/1998 TTRM13 00000200 5000000 09105622

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ASSIGNMENTPag 1 of 2
PD-970134

WHEREAS, I, as below named sole inventor (if only one name is listed below) or joint inventor (if plural names are listed below) of the city and state as stated below next to my name, have invented a(an) **REUSE OF MOBILE SATELLITE SPECTRUM FOR TERRESTRIAL COMMUNICATION** for which application for Letters Patent of the United States has been executed by me on this day, or (if the following is completed) filed on _____ as Serial No. _____; and

WHEREAS, **HUGHES ELECTRONICS CORPORATION**, (hereinafter referred to as **HUGHES**), a Delaware Corporation, having its principal place of business in El Segundo, California, is desirous of acquiring the entire and exclusive right, title and interest in, to and under said invention, said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world;

NOW, THEREFORE, in consideration of the obligations voluntarily assumed by me and set forth in an invention agreement between me and my employer, effective the date as stated below next to my name, and other good and valuable consideration, receipt of which is hereby acknowledged, I do hereby sell, assign and transfer to **HUGHES**, its successors, assigns or other legal representatives, the entire and exclusive right, title and interest in and to said invention invented by me, to said application and any and all applications which are continuations, continuations-in-part, divisions or substitutes of said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world on any of said applications and to any and all reexaminations, reissues, renewals or extensions of said Letters Patent in the United States and throughout the world for the full term or terms for which said Letters patent may be granted in the United States and throughout the world; authorize and request The Commissioner of Patents and Trademarks of the United States and all foreign countries to issue all such Letters Patent to said **HUGHES**, its successors, assigns or other legal representatives; covenant that no assignment, sale, agreement, transfer or encumbrance has been, or will be, made or entered into which would conflict with this assignment, sale and transfer; and agree to communicate to **HUGHES**, its successors, assigns or other legal representatives, upon request and at no cost or expense to me, any facts known by me respecting said invention, do all lawful acts, including the execution and delivery of all papers and proper oaths and giving of testimony that is deemed necessary or desirable by **HUGHES**, its successors, assigns or other legal representatives with regard to said invention for protecting, obtaining, maintaining and enforcing any and all of said letters Patent in the United States and throughout the world for said invention and for perfecting, affirming, recording and maintaining the title of **HUGHES**, its successors, assigns or other legal representatives, and generally cooperate to the fullest extent in all matters pertaining to said invention, and any and all of said Letters Patent and the title thereto in **HUGHES**, its successors, assigns or other legal representatives.

COPY

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR WILLIAM W. MAYFIELD	INVENTOR'S SIGNATURE <i>William W. Mayfield</i>	DATE 6/10/98
RESIDENCE (CITY AND STATE) 23219 AUDREY AVENUE, TORRANCE, CALIFORNIA 90505	INVENTION AGREEMENT DATE March 8, 1965	

FULL NAME OF SOLE OR JOINT INVENTOR DONALD C. CHANG	INVENTOR'S SIGNATURE <i>Donald C. Chang</i>	DATE 6/16/98
RESIDENCE (CITY AND STATE) 2350 MOBERLY COURT THOUSAND OAKS, CALIFORNIA 91360	INVENTION AGREEMENT DATE September 11, 1978	

FULL NAME OF SOLE OR JOINT INVENTOR JOHN T. NOVAK III	INVENTOR'S SIGNATURE <i>John T. Novak III</i>	DATE 6/16/98
RESIDENCE (CITY AND STATE) 6736 RANDIWOOD LANE, WEST HILLS, CALIFORNIA 91307	INVENTION AGREEMENT DATE 1/16/69	

STATE OF CA)
COUNTY OF Los Angeles) SS:
On 6-10-98 before me, Nancy A. Palmer,
a Notary Public in and for said State, personally appeared
William W. Mayfield

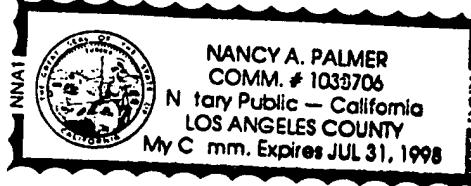
personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Notary Public

Nancy A. Palmer

COPY



ASSIGNMENT

ADDENDUM

PD-970134

STATE OF CALIFORNIA)
COUNTY OF Los ANGELES) SS:
On JUNE 16, 1998, before me, JANET E. SHIBATA
a Notary Public in and for said State, personally appeared DONALD C. D. CHANG
1111

personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

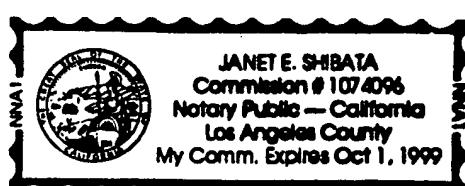


Notary Public Janet E. Shibata

STATE OF CALIFORNIA)
COUNTY OF Los ANGELES) SS:
On JUNE 11, 1998, before me, JANET E. SHIBATA
a Notary Public in and for said State, personally appeared JOHN I. NOVAK, III
1111

personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Notary Public

Janet E. Shibata

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